

# Energy Cluster Acceleration Partnership

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January 11, 2013



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- 15 Staff
- Support All Energy Resources
- Strategic Objectives:
  - Create and Implement Policy
  - Assist Industry
  - Build Relationships
  - Identify Funding Opportunities
  - Provide Energy Outreach and Education
- Governor's 10-Year Strategic Energy Plan
  - Recommendation 3: Developing and Coordinating Partnerships Between Research Universities and Regional Colleges, the Energy Industry, and National Energy Laboratories



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# Energy is a Priority For Utah

- One of Governor Herbert's Four Cornerstones for Utah
- Business Recruitment Tool
  - Businesses are coming to Utah because of our low energy prices
- Major Revenue Contributor
  - \$393 Million in Taxes, Royalties, and Production
- Stable Source of Employment
  - 1.5% of Entire Workforce
  - 180% of State's Average Monthly Wage
  - Source of Employment for Rural Areas



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# UTAH ENERGY INDUSTRY



# Utah Energy Research Triangle

- Recommendation of Governor's 10-Year Strategic Energy Plan
- Established in 2011
- Administered the Utah Energy Research Triangle from 2011 & 2012.
  - Al Walker, USTAR
- Outreach Activities Supported:
  - New, more wide-ranging multidisciplinary R&D Partnerships
  - Utah's companies are looking more closely to partner with research universities
  - New companies have been formed
  - Out-of-state firms have moved to Utah
  - Better collaboration between local colleges and other universities



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# Utah's Science, Technology, Talent & Innovation Plan

- Draft
- Comprehensive Outlook at Economic Clusters in Utah
  - Aerospace & Defense, **Energy & Natural Resources**, Information Technology, & Life Sciences
- Looked for where Utah could find a niche in the energy market
- Three Main Recommendations for Utah's Energy Universities:
  - Clean Technologies for Traditional and Unconventional Sources of Fossil Energy
  - Energy Storage and Power Delivery Systems
  - Water and Ecosystem Sustainability



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# Recommendations

- Keep Momentum of ECAP
- Five Recommendations:
  - Foster Communication
  - Enhance Academia and Industry or Government Partnerships
  - Evaluate Energy Policy
  - Review Energy Education Curriculum
  - Support Research Collaboration



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# Recommendations

- Foster Communication
  - Continual, Open Dialogue
  - Best Practices, Policies, Processes
  - Higher Education, Government, and Industry Responsibility
- Enhance Academia and Industry or Government Partnerships
  - One of the preeminent successes of ECAP
  - Stronger collaboration between technical schools, colleges, and universities with each other and with industry and the government
  - Higher Education, Government, and Industry Responsibility



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# Recommendations

- Evaluate Energy Policy
  - Balanced Energy Policy
  - Streamlined Policy for an Open, Free Market
  - Responsible Development
  - Office of Energy Development's Responsibility in Collaboration with Academia and Industry
- Review Energy Education Curriculum
  - Continual Review as Technologies and Processes Change in Industry
  - Support Industries' Specific Training Needs
  - Higher Education's Responsibility in Conjunction with Industry and Government



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# Recommendations

- Support Research Collaboration
  - Utah's Energy Research Triangle
  - Support Each University's Unique Strengths
  - Partnerships Utilized for Access More Research Funding
  - Higher Education's Responsibility in Conjunction with Industry and Government (Utah's Energy Research Triangle)



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